Moonlighting for Benge while working for F.E. Olds, Zigmant Kanstul met Irving Bush and Byron Autry. Later, after succeeding his mentor Foster Reynolds as head of the F.E. Olds factory, he worked with R. Dale Olson and came to know William Cardwell. Zig Kanstul’s career brought him into contact with these great figures in trumpet design and the business of making them, but his apprenticeships marked the end point of a long string of master to student knowledge transfer that encompassed names such as James Keat, Elbridge Wright, Samuel Graves, Henry Esbach, JW York, Pops Johnson, Foster Reynolds, HN White, Ory Berdan, HE McMillin, Frank Olds, RB Olds, Elden Benge, Renold Schilke, and through Schilke, the masters at Frank Holton & Co. who redefined the trumpet in the 1920s. As Olson titled Kanstul’s biography, he was the last of the great masters. Together with Olson, Autry, Hal Oringer and others, he mastered the art of not just replicating the greatest horns of the past, but perfecting and then evolving those designs.

Zig Kanstul left FE Olds in 1972 to run the Benge facility in California that, following the transfer of Benge to Eastlake Ohio, he ultimately purchased tooling from and founded Kanstul Musical Instruments in 1981. Zig Kanstul committed himself 100% to the company and even moved into an apartment in the plant, literally being at work 24 hours a day. Following in the shoes of Foster Reynolds, Zig Kanstul passed away in his plant in the fall of 2017. In March of 2019, his son Mark, the last Kanstul still at the plant daily, though son Jack continued the marketing from his Arizona home, made the decision to cease operations and liquidate the assets of the company. 

Images in this guide are taken from Kanstul marketing materials
Valved Trumpets
<table>
<thead>
<tr>
<th>Model:</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name(s):</td>
<td></td>
</tr>
<tr>
<td>Bore:</td>
<td>.460”</td>
</tr>
<tr>
<td>Bell Mandrel: “E”</td>
<td>Bell Material: 1-pc. Yellow Brass</td>
</tr>
<tr>
<td>Tuning Slide: D-radius</td>
<td>Construction: Reverse</td>
</tr>
<tr>
<td>Valves: Monel</td>
<td>Valve Guides: Metal</td>
</tr>
<tr>
<td>Notes: Autrey Harmonic Balancer masses on first and third valve slides</td>
<td></td>
</tr>
</tbody>
</table>
Model: Besson Brevete
Name(s): Besson Brevete
Bore: .460"
Bell Mandrel: Cloned
Bell Material: Yellow Brass
Rim:
Tuning Slide: D-radius
Construction: Standard
Leadpipe: Autrey Besson
Valves:
Valve Guides: Metal
Slides:
Notes: Manufactured under contract for Besson as near replica of original design
Model: Besson MEHA
Bell Mandrel: Cloned
Bell Material: 1-pc. Yellow Brass
Tuning Slide: D-radius
Construction: Standard
Valves: Monel
Valve Guides: Metal
Bore: .460”
Rim: 4-7/8”
Leadpipe: Autrey Besson
Slides:
Model: Besson MEHA
Name(s): Besson MEHA
Bell Mandrel: Cloned
Bell Material: 1-pc. Yellow Brass
Tuning Slide: D-radius
Construction: Standard
Valves: Monel
Valve Guides: Metal
Notes:
Bore: .468”
Rim:
Leadpipe: Autrey Besson
Slides:
Model: Besson MEHA C
Bell Mandrel: Cloned
Bell Material: Yellow Brass
Tuning Slide: D-radius
Valves: Monel
Valve Guides: Metal
Notes: Interchangeable leadpipes

Bore: .468”
Rim:
Leadpipe: “65”, “75”, “78”
Slides:
Model: 103  Name(s): Coliseum  Bore: .470”
Bell Mandrel: 103  Bell Material: 1-pc. Yellow Brass  Rim: 5-1/16”
Tuning Slide: Single-radius  Construction: Standard  Leadpipe: 25
Valves: Monel  Valve Guides: Metal  Slides: Yellow Brass
Notes: Bell derived from a bugle and was used in differing thicknesses, alloys and annealings by several boutique trumpet makers Kanstul built for.
Model: 700 (Series)  
Bell Mandrel: “E”  
Tuning Slide: D-radius  
Valves: Monel  
Name(s): Student models  
Bell Material: Yellow Brass  
Construction: Standard  
Valve Guides: Metal  
Notes:  
Bore: .460”  
Rim: 4-7/8”  
Leadpipe: 25  
Slides: Yellow Brass
Model: 900
Bell Mandrel: “E”
Tuning Slide: D-radius
Valves: Monel
Name(s):
Bell Material: 1-pc. Yellow Brass
Construction: Reverse
Valve Guides: Metal
Bore: .460”
Rim: 4-7/8”
Leadpipe: 25R
Slides: Yellow Brass
Notes:
Model: 905  
Name(s): (Benge) Pocket  
Bore: .460”

Bell Mandrel: 5X  
Bell Material: 1-pc. Yellow Brass  
Rim: 4-7/8”

Tuning Slide: Dual-radius  
Construction: Standard

Valves: Monel  
Valve Guides: Metal

Notes: Available with alternate bells on special order

Leadpipe:  
Slides: Yellow Brass
<table>
<thead>
<tr>
<th>Model</th>
<th>Name(s)</th>
<th>Bore</th>
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<tbody>
<tr>
<td>Model: 910</td>
<td>Name(s): Fanfare</td>
<td>.460”</td>
</tr>
<tr>
<td>Bell Mandrel: “E”</td>
<td>Bell Material: 1-pc. Yellow Brass</td>
<td>Rim: 5”</td>
</tr>
<tr>
<td>Tuning Slide: Bell Tuning</td>
<td>Construction:</td>
<td>Leadpipe: 25</td>
</tr>
<tr>
<td>Valves: Monel</td>
<td>Valve Guides: Metal</td>
<td>Slides: Yellow Brass</td>
</tr>
<tr>
<td>Notes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Model: 911
Bell Mandrel: “E”
Tuning Slide: Bell Tuning
Valves: Monel
Notes: 

Name(s): C Fanfare
Bell Material: 1-pc Yellow Brass
Construction: 
Valve Guides: Metal

Bore: .460”
Rim: 5”
Leadpipe: 25
Slides: Nickel
Model: 920                             Name(s): Bb/A Piccolo                                             Bore: .460”
Bell Mandrel:                          Bell Material: 1-pc. Yellow Brass                            Rim: 3-7/8”
Tuning Slide: Receiver Tune Construction: Leadpipe: Cornet Shanks
Valves: Monel                          Valve Guides: Metal                                    Slides: Yellow Brass
Notes:
Model: 923  
Bell Mandrel: 239  
Tuning Slide: Compact  
Valves: Monel  
Name(s): Eb/D Long Bell  
Bell Material: Yellow Brass  
Construction: Reversed  
Valve Guides: Metal  
Notes:  
Bore: .460”  
Rim:  
Leadpipe: 25  
Slides: Yellow Brass
Model: 991  
Name(s): Mariachi ("Kanstulation")  
Bore: .437”

Bell Mandrel:  
Bell Material: 1-pc. Yellow Brass  
Rim: 5-1/4”

Tuning Slide: D-radius  
Construction: Standard

Valves: Monel  
Valve Guides: Metal

Notes: Copper Leadpipe  
Leadpipe:  
Slides: Yellow Brass
Model: 1000                           Name(s): Chicago Series, French Besson
Bell Mandrel:                          Bell Material: 1-pc. .020” Yellow Brass
Tuning Slide: D-radius                 Rim: 4-3/4”
Valves: Monel                          Construction: Standard
Valve Guides: Metal
Notes:                                Leadpipe: Autrey ML
                                     Slides: Yellow Brass
Bore: .460”
Model: 1001
Name(s): Chicago Series, West Coast
Bore: .464”
Bell Mandrel: Bell Material: 1-pc. .020” Yellow Brass
Rim: 4-3/4”
Tuning Slide: D-radius Construction: Standard
Valves: Monel Valve Guides: Metal
Notes: Leadpipe: Autrey MLP
Slides: Yellow Brass
Model: 1070  
Name(s): Big Band (Claude Gordon)  
Bore: .470”

Bell Mandrel: CG Clone  
Bell Material: 1-pc. .016” Yellow Brass  
Rim: 4-3/4”

Tuning Slide: D-radius  
Construction: Standard  
Leadpipe: CG

Valves: Monel  
Valve Guides: Metal  
Slides: Yellow Brass

Notes:
Model: 1088                       Name(s): Bass
Bell Mandrel:                     Bell Material:       Bore: .485”
Tuning Slide: Dual-radius        Construction: Standard Rim: 7”
Valves: Monel                    Valve Guides: Metal Leadpipe:
Notes: Removable Leadpipe        Slides: Nickel
Model: 1410
Bell Mandrel: 1410
Tuning Slide: Dual-radius
Valves: Monel
Notes:

Name(s): Bb/C Convertable
Bell Material: 1-pc. Yellow Brass
Construction: Standard
Valve Guides: Metal

Valves: Monel
Notes:

Bore: .460”
Rim: 4-7/8”
Leadpipe: 1410
Slides: Yellow Brass
Model: 1500  
Name(s): Kanstul Signature Model  
Bore: .460”
Bell Mandrel: 7  
Bell Material: 1-pc. .024” Copper  
Rim: 5”
Tuning Slide: Dual-radius  
Construction: Standard  
Leadpipe: 25-O
Valves: Monel  
Valve Guides: Metal  
Slides: Nickel

Notes: Internally called the “Hal Horn” as the first was built for Besson expert Hal Oringer. For some reason, Zig Kanstul decided to try an unknown mandrel during this build and see what it produced, the 7 bell being the result. There are two stories of the origin of what became the most important bell taper at Kanstul. The first, was related by Jack Kanstul simply as Zig “found” the mandrel in the plant. That suggests it being a Benge bell mandrel abandoned by King when they left. Kanstul’s designating it “7”, given that Benge mandrels end with “6”, fits this story. The other story, related by friends of Zig Kanstul is that it was made as an experiment at FE Olds, working with Bill Cardwell, and wound up in Zig’s attic. The taper is arguably more in line with Olds tradition, and the spot-on performance fits with Bill Cardwell’s acoustic expertise. Which is the true history is anyone’s guess.
Model: 1501
Bell Mandrel: 1S
Tuning Slide: Single-radius
Valves: Monel
Notes:

Name(s):
Bell Material: 1-pc. Yellow Brass
Construction: Standard
Valve Guides: Metal

Bore: .460”
Rim: 4-7/8”
Leadpipe: 7
Slides: Nickel
Model: 1502
Bell Mandrel: 1S
Tuning Slide: Single-radius
Valves: Monel

Name(s): Hollywood
Bell Material: 1-pc. Yellow Brass
Construction: Standard
Valve Guides: Metal

Notes:

Bore: .460”
Rim: 4-7/8”
Leadpipe: 2
Slides: Nickel
<table>
<thead>
<tr>
<th>Model: 1503</th>
<th>Name(s):</th>
<th>Bore: .460”</th>
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</thead>
<tbody>
<tr>
<td>Bell Mandrel: 72</td>
<td>Bell Material: 1-pc. .020” Yellow Brass</td>
<td>Rim:</td>
</tr>
<tr>
<td>Tuning Slide: Dual-radius</td>
<td>Construction: Standard</td>
<td>Leadpipe: 25-O</td>
</tr>
<tr>
<td>Valves: Monel</td>
<td>Valve Guides: Metal</td>
<td>Slides: Nickel</td>
</tr>
</tbody>
</table>

Notes: In a handwritten note to Zig Kanstul dated 2-5-07, Byron Autrey related that the sample horns he had been sent to measure, 1503 and 1504 models, had “much larger” 72 bells than “any Bach 72”. The note suggests this was a single point analysis at the critical point where the stem meets the flare, using a .985” calibrated disc.
Model: 1504   Name(s):                                                                   Bore: .460”
Bell Mandrel: 72                    Bell Material: 1-pc. .024” Yellow Brass                 Rim:
Tuning Slide: Dual-radius     Construction: Standard                          Leadpipe: 43
Valves: Monel                     Valve Guides: Metal                           Slides: Nickel
Notes: In a handwritten note to Zig Kanstul dated 2-5-07, Byron Autrey related that the sample horns he had been sent to measure, 1503 and 1504 models, had “much larger” 72 bells than “any Bach 72”. The note suggests this was a single point analysis at the critical point where the stem meets the flare, using a .985” calibrated disc.
Model: 1505                       Name(s): Bb Rotary            Bore: .437”-.453”
Bell Mandrel:                    Bell Material: 1-pc. Bronze       Rim: 5-1/2”
Tuning Slide: D-radius           Construction: Standard          Leadpipe:
Valves: Brass                   Valve Guides: Metal              Slides: Nickel
Notes:
Model: 1506
Name(s): C Rotary
Bore: .437”-.453”

Bell Mandrel: 
Bell Material: 1-pc. Bronze
Rim: 5”

Tuning Slide: D-radius
Construction: Standard

Valves: Monel
Valve Guides: Metal

Notes:
Leadpipe:
Slides: Nickel
Model: 1510
Bell Mandrel: 7
Tuning Slide: Dual-radius
Valves: Monel
Notes:  
Name(s): C Trumpet
Bell Material: 1-pc. Copper
Construction: Standard
Valve Guides: Metal
Bore: .464”
Rim: 5”
Leadpipe: 25-O
Slides: Nickel
Model: 1510A
Bell Mandrel: 229
Tuning Slide: D-radius
Valves: Monel

Name(s): C Trumpet
Bell Material: 1-pc. Yellow Brass
Construction: Standard
Valve Guides: Metal

Bore: .462”
Rim: 4-7/8”
Leadpipe: “H”
Slides: Yellow Brass

Notes:
Model: 1520
Bell Mandrel: Multiple
Tuning Slide: Bell Tuning
Valves: Monel
Notes:

Name(s): Bb/A/G Piccolo
Bell Material: 1-pc. Yellow Brass
Construction: Bell Tuning
Valve Guides: Metal

Bore: .460”
Rim: Multiple
Leadpipe: Shanks
Slides: Yellow Brass
Model: 1523
Bell Mandrel: 239
Tuning Slide: Bell Tuning
Valves: Monel

Name(s): Eb/D Trumpet
Bell Material: 1-pc. Yellow Brass
Construction: Bell Tuning
Valve Guides: Metal

Bore: .453”
Rim: “B”
Leadpipe: “B”
Slides: Yellow Brass

Notes:
Model: 1537
Bell Mandrel: 37
Tuning Slide: Dual-radius
Valves: Monel
Name(s): Bell Material: 1-pc .024” Yellow Brass
Construction: Standard
Valve Guides: Metal
Notes: Bore: .460”
Rim: 4-7/8”
Leadpipe: 25
Slides: Yellow Brass
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model:</td>
<td>1500A</td>
</tr>
<tr>
<td>Name(s):</td>
<td></td>
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<tr>
<td>Bell Mandrel:</td>
<td>7</td>
</tr>
<tr>
<td>Bell Material:</td>
<td>1-pc. Bronze</td>
</tr>
<tr>
<td>Tuning Slide:</td>
<td>Single-radius</td>
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<tr>
<td>Construction:</td>
<td>Standard</td>
</tr>
<tr>
<td>Leadpipe:</td>
<td>25</td>
</tr>
<tr>
<td>Valves:</td>
<td>Monel</td>
</tr>
<tr>
<td>Valve Guides:</td>
<td>Metal</td>
</tr>
<tr>
<td>Slides:</td>
<td>Nickel</td>
</tr>
<tr>
<td>Bore:</td>
<td>.460”</td>
</tr>
<tr>
<td>Rim:</td>
<td>5”</td>
</tr>
<tr>
<td>Notes:</td>
<td>Supplied with 2 slides. Weighted slide said to secure slotting.</td>
</tr>
</tbody>
</table>
Model: 1500B  Name(s):  Bore: .460”
Bell Mandrel: 37  Bell Material: 1-pc. .020” Yellow Brass  Rim: 4-7/8”
Tuning Slide: Dual-radius  Construction: Standard  Leadpipe: 25
Valves: Monel  Valve Guides: Metal  Slides: Nickel
Notes: Basically a lightweight Bach Strad.
Model: 1600
Bell Mandrel: 7
Tuning Slide: Dual-radius
Valves: Monel

Name(s): Wayne Bergeron
Bell Material: 1-pc. Yellow Brass
Construction: Standard
Valve Guides: Metal

Notes:

Bore: .460”
Rim: 4-7/8”
Leadpipe: “WB”
Slides: Nickel
Model: 1601
Bell Mandrel: 7
Tuning Slide: Single-radius
Valves: Monel
Name(s): Tim Wendt
Bell Material: 1-pc. .020” Copper
Construction: Standard
Valve Guides: Metal
Notes:
Bore: .460”
Rim: 4-7/8”
Leadpipe: 25
Slides: Yellow Brass
Model: 1603       Name(s): Martin Committee       Bore: .468” Martin #3
Bell Mandrel: Cloned       Bell Material: 1-pc. Yellow Brass       Rim: 5-1/4”
Tuning Slide: D-radius       Construction: Reverse       Leadpipe: Cloned
Valves: Monel       Valve Guides: Metal       Slides: Nickel
Notes: Also supplied to a Martin descendant DBA Martin Brasswind Company
Model: 1603+  Name(s): Wallace Roney  Bore: .468” Martin #3
Bell Mandrel: Cloned  Bell Material: 1-pc. Yellow Brass  Rim: 5-1/4”
Tuning Slide: D-radius  Construction: Conical Reverse  Leadpipe: Cloned
Valves: Monel  Valve Guides: Metal  Slides: Nickel
Notes: Special annealing noted by Kanstul
Valved Cornets
<table>
<thead>
<tr>
<th>Model: 730</th>
<th>Name(s): Long Cornet</th>
<th>Bore: .470”</th>
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<tbody>
<tr>
<td>Bell Mandrel:</td>
<td>Bell Material: Yellow Brass</td>
<td>Rim: 4-3/4”</td>
</tr>
<tr>
<td>Tuning Slide: D-radius</td>
<td>Construction: Standard</td>
<td>Leadpipe: “O”</td>
</tr>
<tr>
<td>Valves: Monel</td>
<td>Valve Guides: Metal</td>
<td>Slides: Nickel</td>
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<tr>
<td>Notes:</td>
<td></td>
<td></td>
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</tbody>
</table>
Model: 731                             Name(s): Shepherd’s Crook                                   Bore: .470”
Bell Mandrel:                          Bell Material: Yellow Brass                                     Rim: 4-3/4”
Tuning Slide: D-radius                 Construction: Standard                                      Leadpipe: “O”
Valves: Monel                           Valve Guides: Metal                                           Slides: Nickel
Notes:
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Model</td>
<td>930</td>
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<tr>
<td>Name(s)</td>
<td>Dixieland Short Cornet</td>
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<tr>
<td>Bore</td>
<td>.464”</td>
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<tr>
<td>Bell Mandrel</td>
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</tr>
<tr>
<td>Bell Material</td>
<td>Yellow Brass</td>
</tr>
<tr>
<td>Rim</td>
<td>4-3/4”</td>
</tr>
<tr>
<td>Tuning Slide</td>
<td>D-radius</td>
</tr>
<tr>
<td>Construction</td>
<td>Standard</td>
</tr>
<tr>
<td>Leadpipe</td>
<td>“B”</td>
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<tr>
<td>Valves</td>
<td>Monel</td>
</tr>
<tr>
<td>Valve Guides</td>
<td>Metal</td>
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<tr>
<td>Slides</td>
<td>Brass</td>
</tr>
<tr>
<td>Notes</td>
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</table>
Model: 1530
Name(s): Traditional Short Cornet
Bell Mandrel: Bell Material: Yellow Brass
Tuning Slide: D-radius
Construction: Standard
Valves: Monel
Valve Guides: Metal
Notes: Bore: .470”
Rim: 4-3/4”
Leadpipe: “B”
Slides: Brass
Model: 1531
Bell Mandrel: 
Tuning Slide: D-radius
Valves: Monel

Name(s): British Short Cornet
Bell Material: Yellow Brass
Construction: Standard
Valve Guides: Metal

Bore: .470”
Rim: 4-3/4”
Leadpipe: “O”
Slides: Brass

Notes:
Model: 1535
Name(s): C Short Cornet
Bore: .470”
Bell Mandrel:
Bell Material: Yellow Brass
Rim: 4-3/4”
Tuning Slide: Dual-radius
Construction: Standard
Leadpipe: “8Z”
Valves: Monel
Valve Guides: Metal
Slides: Brass
Notes:
Model: 1536  
Name(s): Eb Short Cornet  
Bore: .453”
Bell Mandrel:  
Bell Material: Yellow Brass  
Bore: .453”
Rim: 4-3/4”
Tuning Slide: Receiver  
Construction: Receiver Tuning  
Leadpipe: “B”
Valves: Monel  
Valve Guides: Metal  
Slides: Brass
Notes:
Herald Trumpets
Model: 1100
Name(s): Bb Herald Melody Trumpet
Bore: .460”
Bell Mandrel: Bell Tuning
Bell Material: Yellow Brass
Rim: 4-7/8”
Tuning Slide: Bell
Construction: Bell Tuning
Leadpipe:
Valves: Monel
Valve Guides: Metal
Slides: Yellow Brass
Notes:
Model: 1123
Name(s): Eb Herald Soprano Trumpet
Bore: .460”
Bell Mandrel: Bell Material: Yellow Brass
Rim: 4-7/8”
Tuning Slide: Bell Construction: Bell Tuning
Leadpipe: 
Valves: Monel Valve Guides: Metal
Slides: Yellow Brass
Notes:
Model: 1160  
Name(s): Bb Herald Tenor Trumpet  
Bore: .484”

Bell Mandrel:  
Bell Material: Yellow Brass  
Rim: 5-3/4”

Tuning Slide: Single-radius  
Construction: Standard

Valves: Monel  
Valve Guides: Metal

Notes:  
Leadpipe:  
Slides: Yellow Brass
Model: 1180
Bell Mandrel:
Tuning Slide: Single-radius
Valves: Monel
Notes:

Name(s): G Herald Bass Trumpet
Bell Material: Yellow Brass
Construction: Standard
Valve Guides: Metal

Bore: .515”
Rim: 6”
Leadpipe:
Slides: Yellow Brass
Model: 1190  Name(s): Bb Herald Bass Trumpet  Bore: .580”-.593”
Bell Mandrel:  Bell Material: Yellow Brass  Rim: 6”
Tuning Slide: Single-radius  Construction: Standard  Leadpipe:
Valves: Monel  Valve Guides: Metal  Slides: Yellow Brass
Notes: Kanstul included: “Three Monel Pistons; One Rotary Valve”
Field Trumpets
Model: 30A                             Name(s): Ab Post Horn                                            Bore: .453”
Bell Mandrel:                          Bell Material: Yellow Brass                                      Rim: 3-3/4”
Tuning Slide:                           Construction:                                           Leadpipe:
Valves:                                 Valve Guides:                                    Slides: Yellow Brass
Notes: Replica of the English post horn made famous by soloist Frank Scimonelli, using blueprints provided by R. Dale Olson.
Model: 40GC
Bell Mandrel:
Tuning Slide:
Valves:
Notes:

Name(s): G Ceremonial Bugle
Bell Material: Copper
Construction:
Valve Guides:

Bore: .460”
Rim: 5-1/4”
Leadpipe:
Slides: Nickel
Model: 48C
Name(s): C Coach Horn
Bell Mandrel: Bell Material: Yellow Brass
Tuning Slide: Construction: Leadpipe:
Valves: Valve Guides: Slides: Yellow Brass
Notes: Bore: .470” Rim: 3-3/4”
<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
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<td>50G</td>
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<tr>
<td>Name(s):</td>
<td>G Regulation Bugle</td>
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<tr>
<td>Bell Material:</td>
<td>Yellow Brass</td>
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<tr>
<td>Tuning Slide:</td>
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<td>Leadpipe:</td>
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<tr>
<td>Bore:</td>
<td>.462”</td>
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<tr>
<td>Rim:</td>
<td>4-7/8”</td>
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<tr>
<td>Notes:</td>
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</table>
Model: 52B                             Name(s): Bb Coach Horn                           Bore: .470”
Bell Mandrel:                          Bell Material: Yellow Brass                       Rim: 3-3/4”
Tuning Slide:                          Construction:                                         Leadpipe: 
Valves:                               Valve Guides:                                         Slides: Yellow Brass
Notes:
Model: 60B
Name(s): Bb Regulation Bugle
Bore: .460”

Bell Mandrel:
Bell Material: Yellow Brass
Rim: 4-7/8”

Tuning Slide:
Construction:
Leadpipe:

Valves:
Valve Guides:
Slides: Yellow Brass
Notes:
Model: 70B                      Name(s): Bb Gettysburg Commemorative Bugle                      Bore: .460”
Bell Mandrel:                   Bell Material: Copper                                                      Rim: 4-7/8”
Tuning Slide:                   Construction:                                   Leadpipe:
Valves:                          Valve Guides:                                   Slides: Yellow Brass
Notes:                          Slides: Yellow Brass
Corps Bugles
Model: 100                             Name(s): G Soprano Bugle                                      Bore: .470”
Bell Mandrel:                          Bell Material: Yellow Brass                                      Rim: 5”
Tuning Slide: Dual-radius             Construction: Underslung Std.   Leadpipe:
Valves: Monel                           Valve Guides: Metal          Slides: Nickel-Silver
Notes:
<table>
<thead>
<tr>
<th>Model: 102</th>
<th>Name(s): G Powerbore Soprano Bugle</th>
<th>Bore: .470”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bell Mandrel:</td>
<td>Bell Material: Yellow Brass</td>
<td>Rim: 5”</td>
</tr>
<tr>
<td>Tuning Slide: Dual-radius</td>
<td>Construction: Underslung Std.</td>
<td>Leadpipe:</td>
</tr>
<tr>
<td>Valves: Monel</td>
<td>Valve Guides: Metal</td>
<td>Slides: Yellow Brass</td>
</tr>
<tr>
<td>Model: 175</td>
<td>Name(s): G Alto Bugle</td>
<td>Bore: .470”</td>
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</tr>
<tr>
<td>Bell Mandrel:</td>
<td>Bell Material: Yellow Brass</td>
<td>Rim: 8”</td>
</tr>
<tr>
<td>Tuning Slide:</td>
<td>Construction: Standard</td>
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</tr>
<tr>
<td>Valves: Monel</td>
<td>Valve Guides: Metal</td>
<td>Leadpipe:</td>
</tr>
<tr>
<td>Notes:</td>
<td></td>
<td>Slides: Nickel-Silver</td>
</tr>
</tbody>
</table>
Model: 180  
Name(s): G Mellophone Bugle

Bell Mandrel:  
Bell Material: Yellow Brass

Tuning Slide: Single-radius  
Construction: Standard

Valves: Monel  
Valve Guides: Metal

Notes:

Bore: .470”  
Rim: 10-1/2”

Leadpipe:  
Slides: Yellow Brass
Model: 185
Name(s): G French Horn Bugle
Bore: .470”

Bell Mandrel:
Bell Material: Yellow Brass
Rim: 10”

Tuning Slide: Single-radius
Construction: Standard
Leadpipe: Bent upward

Valves: Monel
Valve Guides: Metal
Slides: Yellow Brass

Notes:
| Model: 190 | Name(s): G Baritone Bugle | Bore: .562” |
| Bell Mandrel: | Bell Material: Yellow Brass | Rim: 10” |
| Tuning Slide: D-radius | Construction: Standard | Leadpipe: |
| Valves: Monel | Valve Guides: Metal | Slides: Yellow Brass |
| Notes: | | |
Model: 191
Name(s): G Baritone Grande Bugle
Bell Mandrel:  
Bell Material: Yellow Brass
Tuning Slide: D-radius
Construction: Standard
Leadpipe:
Valves: Monel
Valve Guides: Metal
Slides: Yellow Brass
Notes:
Bore: .562”
Rim: 10”
Model: 195
Bell Mandrel: 
Tuning Slide: Single-radius 
Valves: Monel 
Notes: 

Name(s): G Euphonium Bugle 
Bell Material: Yellow Brass 
Construction: Standard 
Valve Guides: Metal 

Bore: .593” 
Rim: 11-1/2” 
Leadpipe: 
Slides: Yellow Brass
Model: 200
Bell Mandrel:
Tuning Slide: Single-radius
Valves: Monel
Name(s): G Contra Grande Bass Bugle
Bell Material: Yellow Brass
Construction: Standard
Valve Guides: Metal
Bore: .688”
Rim: 21”
Leads:
Model: 201
Name(s): G Contra Bass Bugle
Bore: .656”
Bell Mandrel:
Bell Material: Yellow Brass
Rim: 19”
Tuning Slide: Single-radius
Construction: Standard
Leadpipe:
Valves: Monel
Valve Guides: Plastic
Slides: Yellow Brass
Notes: